

Sub
D1

25. (Amended) A system for forming an optical image comprising:
generating means for generating raster elements for an [optic] raster;
a raster multiplying system for multiplying raster elements by multiplying
signals corresponding to the raster elements;
an image display plane on which an image is formed and displayed in the
form of two coordinate fragments;
C1 means for [optically] transmitting raster element corresponding signals to
said image display plane; and
an array of controllable modulators for modulating raster element
corresponding signals in accordance with image forming fragments.

Sub
D2

C2

28. (Twice Amended) A system for image recording comprising:
[optic] a raster generating means for generating raster elements;
a raster multiplying system for sharing raster forming beams into a
number of beams corresponding to the number of scanning fragments to form an
image;
a recording medium on which an image to be recorded is projected and
which is [optically] scanned; and
means for [optically] transmitting the raster forming beams to the
recording medium.

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D3
C3
30. (Amended) A method for forming an optical image via forming constituent fragments of an image on an image display plane, comprising:

generating [an optic] a raster;

multiplying the raster by subdividing raster element forming beams into components according to a number of simultaneously formed image fragments;

modulating said raster elements corresponding signals to form fragments of an image to be displayed; and

displaying said plurality of fragments on said image display plane.

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D5
C4
34. (Twice Amended) A method for recording the image via scanning a sensitive plane on which an [optic] image that is to be recorded is projected, comprising:

generating [an optic] a raster;

multiplying the raster by subdividing raster elements forming beams into components according to the number of parts of said sensitive plane that are to be simultaneously scanned;

projecting said beam components on said sensitive plane; and

converting the image information received on said sensitive plane by the projection of said beam component into a form suitable for recording.

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D6
35. (Amended) A method as in claim 34 wherein generated [optic]

raster elements comprise functional elements, such as periodic functions used for image compression/decompression, and wherein the procedure of image forming is performed at the same time as the procedure of compressing the data for the image.

36. (Amended) A method as in claim 34 wherein generated [optic] raster elements are subject to additional optical compression for increasing dot per inch resolution of [photo]sensitive plane scanning [light] beam.

37. (Amended) A method for recording/forming image comprising:
scanning an image plane [by light beam] via successive generating [optic] raster elements and deflecting said elements onto image plane wherein said [optic] raster elements present functional elements, such as [two] periodic functions used for image compression/decompression [via orthogonal transformation], and wherein the process of scanning is performed at the same time the process of image compression/decompression [performed on said image plane].

REMARKS

Applicant's forwarding representative has reviewed the application and the amendments presented above reflect that review.

The amendments are made to address the fact that, depending on the type of sensitive or display plane used, raster forming light beams can be first